

AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

Claim 1 - 5 - (Canceled)

Claim 6. (Currently amended) ~~The outsole of a shoe~~ Shoe outersole according to claim ~~5~~ 12 , wherein a ~~vertical~~ support is formed ~~into throughout~~ in at least certain through holes of a said midsole ~~by said protrusion~~ in order to provide a restorative capability to said through holes bearing said vertical supports, when said through holes are subjected to a compressive, deforming pressure.

Claim 7. (Currently amended) ~~The outsole of a shoe~~ Shoe outersole according to claim ~~5~~ 12 , wherein stoppers are located on ~~throughout~~ at least certain through holes of a said midsole, to prevent entrance of foreign matter into said through holes provided with said stoppers, in order to prevent foreign matter from attenuating cushioning capability provided by said through holes.

Claims 8 - 9 - (Canceled)

Claim 10. (Currently amended) ~~The outsole of a shoe~~ Shoe outersole according to claim ~~5~~ 12 , wherein one of: a plurality of elastic plates ~~or~~ and an elastic bar₁ is formed in one of: a front or and a back of ~~throughout~~ said through holes of said midsole.

Claim 11. (Currently amended) ~~The outsole of a shoe~~ Shoe outersole according to claim ~~5~~ 12 , wherein erect protrusions are formed in ~~throughout~~ said through holes of ~~the~~ said midsole.

Claim 12. (New) Shoe outer sole comprising:

a shoe midsole,

having right, left, front and back portions,

said shoe midsole being formed from corresponding mirror-image injection-molded opposite right and left midsole pieces,

respective right and left midsole pieces being provided for each of a right and a left shoe,

each said right and left midsole piece for both said right and left shoes having an outer lateral surface, an inner lateral surface, and a bottom surface,

said outer lateral surface and said inner lateral surface both being oriented in substantially vertical planes, substantially perpendicular to said bottom surface, which is oriented in a horizontal plane; and

a plurality of through-holes in said shoe midsole,

said through-holes correspondingly distributed longitudinally along at least a portion of each said right and left midsole piece for both said right and left shoes, extending from a front toe portion to a rear heel portion of each said respective right and left midsole piece,

said through-holes fully extending laterally, in a direction transverse to longitudinal axes of said right and left midsole pieces, from said outer lateral surface of each said respective right and left midsole piece,

said outer lateral surfaces having a curvilinear contour of respective right and left outer half footprints, to said inner lateral surface of each said respective right and left midsole piece,

such that said inner lateral surfaces have a contour compatible with a corresponding contour of a respective opposite right or left midsole piece,

said corresponding respective right and left midsole pieces for both said right and left shoes being irreversibly conjoined along their respective inner lateral surfaces to form a monolithic shoe midsole, respectively for each

of said right and left shoes, wherein said through-holes of said respective right and left midsole pieces of said conjoined monolithic shoe midsole positionally correspond with one another linearly along a common longitudinal axis of said conjoined monolithic shoe midsole, such that longitudinally corresponding ones of said through-holes of both said right and left midsole pieces of each of said right and left shoes align with one another at their corresponding inner lateral surfaces, and communicate with each other to form through-holes fully extending from said outer lateral surface of said right midsole piece through to said outer lateral surface edge of said left midsole piece for both said right and left shoes, when said respective right and left midsole pieces of each shoe are conjoined to form their respective shoe midsole; and

a monolithic bottom outsole piece joined to said bottom surfaces of said right and left midsole pieces of said conjoined monolithic shoe midsole for each of said right and left shoes;

with each of said right and left midsole pieces of both said right and left shoes being of an elastic material having a compressability and restorative resiliency under a pressure up to a weight of a wearer of said shoes, such that said through-holes are deformable from an unstressed shape to provide a cushioning effect to said outer soles of said shoes when a compressive,

deforming pressure is exerted thereon, and said through-holes return to their unstressed shape when said compressive pressure is removed.

Claim 13. (New) Shoe outer sole according to claim 12, wherein said through-holes on both said right and left said midsole pieces of both said right and left shoes are at least one of: different sizes, different shapes; different orientations; and are arranged in patterns.

Claim 14. (New) Shoe outer sole according to claim 13, wherein said through-holes on both said right and left midsole pieces of both said right and left shoes all are the same shape, but are different sizes.

Claim 15. (New) Shoe outer sole according to claim 13, wherein said through-holes on both said right and left midsole pieces of both said right and left shoes are different shapes, all of which have an equal cross-sectional area.

Claim 16. (New) Shoe outer sole according to claim 13, wherein said through-holes on both said right and left midsole pieces of both said right and left shoes are at least one of: at least two different shapes; and at least two different sizes.

Claim 17. (New) Shoe outer sole according to claim 13, wherein said through-holes on both said right and left midsole pieces of both said right and left shoes are different shapes and different sizes, at least certain of said through-holes are oriented differently with respect to one another, and at least certain of said through holes are arranged in a pattern.

Claim 18. (New) Shoe outer sole according to claim 13, wherein said through-holes on both said right and left midsole pieces of both said right and left shoes are all of the same size and shape.

Claim 19. (New) Shoe outer sole according to claim 13, wherein said through-holes on both said right and left midsole pieces of both said right and left shoes are of the same shape, and at least certain of said through-holes on each of said right and left midsole pieces are oriented differently with respect to other through holes on each of said same respective right and left midsole piece.

Claim 20. (New) Shoe outer sole according to claim 13, wherein at least some of said through-holes on both said right and left midsole pieces of both said right and left shoes are in at least one of: multiple rows, and multiple columns.

Claim 21. (New) Shoe outer sole according to claim 20, wherein there are multiple rows and multiple columns of said through-holes.

Claim 22. (New) Shoe outer sole according to claim 21, wherein there are two rows of through-holes.

Claim 23. (New) Shoe outer sole according to claim 22, wherein each of said two rows of through-holes has at least two columns of through-holes.

Claim 24. (New) Shoe outer sole according to claim 23, wherein said at least two columns of through-holes of said two rows are aligned non-vertically.

Claim 25. (New) Shoe outer sole according to claim 24, wherein said at least two columns are aligned staggered with respect to one another.

Claim 26. (New) Shoe outer sole according to claim 25, wherein said at least two columns are aligned on a diagonal to one another.

Claim 27. (New) Shoe outersole according to claim 13, wherein the cushioning ability of a through hole is a function of its said size, shape, and orientation.

Claim 28. (New) Shoe outersole according to claim 12, wherein at least certain of said through holes are reinforced with a reinforcing tube, which reinforcing tube is one of: resistive to crushing deformation, and resilient upon deformation, so as to maintain cushioning capability of said through holes bearing said reinforcing tubes.

Claim 29. (New) Shoe outersole according to claim 12, wherein at least certain of said through holes are formed in said right and left midsole pieces of said right and left shoes such that those said through holes are adjacent to and in communication with an outside of said bottom surface of said respective midsole piece, such that those said through holes form an open cavity in said respective midsole pieces.

Claim 30. (New) Shoe outersole according to claim 29, wherein said through holes adjacent to and in communication with said outside of said bottom surface of said midsole pieces and forming an open cavity in said respective midsole pieces, are enclosed by and when said bottom outsole piece is attached to said outside surface of said midsole pieces.

Claim 31. (New) Shoe outersole according to claim 6, wherein said support is at least one vertical post.

Claim 32. (New) Shoe outersole according to claim 31, wherein there is a plurality of vertical posts.

Claim 33. (New) Shoe outersole according to claim 6, wherein said support is an inverted V-shaped element.

Claim 34. (New) Shoe outersole according to claim 6, wherein said support is a lattice of vertical and horizontal elements.

Claim 35. (New) Shoe outersole according to claim 12, wherein a plurality of through holes are clustered together in a common groove in said midsole pieces.

Claim 36. (New) Shoe outersole according to claim 12, further comprising at least one separate air-filled cushion in at least one of said through holes.

Claim 37. (New) Shoe outersole according to claim 12, wherein at least certain of said through holes are formed such that there is at least one protrusion of

material of said midsole piece in which said through hole is formed, said at least one protrusion extending vertically upward from a lower portion of said midsole piece in which said through hole is located, and into a volume of said through hole, so as to at least incompletely compartmentalize said through hole and provide vertical support for resisting deformation of said through hole when it is subjected to a compressive, deforming pressure, and for restoring cushioning capability of said through hole when said compressive, deforming pressure is removed.

Claim 38. (New) Shoe outer sole according to claim 12, wherein at least certain of said through holes are interconnected with one another.